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NOTES:

1. UNLESS NOTED OTHERWISE ALL NEW SHIELDED WIRE TO MEET MIL-C-27500E OR LATER REVISION. ALL UNSHIELDED WIRE TO BE MIL-W-22759/16. CLAMP WIRE BUNDLES PER AC43.13-1B, CHAPTER 11, SECTION 11. FOR ROUTING, BONDING, AND GROUNDING DETAILS REFERENCE AC43.13-1B CHAPTER 11 SECTIONS 9, 10, & 15. ALL WIRES 20 AWG UNLESS OTHERWISE SPECIFIED BY WIRE CODE. ALL JUMPERS TO BE LESS THAN 6 INCHES.

2. GROUND NOTES:  DC GND  AC GND  SIGNAL GND  AIRFRAME & SHIELD GND

3. SOLDER PER MIL-STD-2000.


4. DELETED

5. USE MIL-S-83519/1 SOLDER SLEEVES.


6. USE F/N 6 SHRINK TUBING FOR ALL EXTERIOR WIRING


7. EXISTING COMPONENTS ARE SHOWN AS — — —

 USE ANY EXISTING CONNECTOR UNUSED CONTACTS, IF NECESSARY.

 ECD P/N EN2267-010A006S IS ACCEPTABLE ALTERNATIVE.

 IDENTIFY IAW MPP-120. INSTALL P/N LABEL BENEATH F/N 16.


 USE WHEN OEM ELECTRICAL PROVISIONS ARE PRESENT & AUTOMATIC ELECTRICAL INFLATION KIT IS DESIRED

 USE WHEN OEM ELECTRICAL PROVISIONS ARE PRESENT & AUTOMATIC ELECTRICAL INFLATION KIT IS NOT DESIRED

 USE OEM ELECTRICAL PROVISIONS IF PRESENT


 OEM ELECTRICAL PROVISIONS ARE ACCEPTABLE ALTERNATES

 COMMON GROUND TB1221/P OR TBN9500

 DELETED.

 ALTERNATE P/N 222D121-25-0

 ALTERNATE P/N 202A121-25-0


 DELETED

20 UNLESS OTHERWISE SPECIFIED, ALL ROUTES ARE 1M


 DISCONNECT ALL EXISTING OEM WIRES CONNECTED TO 5103GLA BEFORE INSTALLATION OF DART FLOAT INSTALLATION.


 MODULE INSTALLED ON MODULE RAIL NEXT TO OVERHEAD PANEL RH

 MODULE INSTALLED ON MODULE RAIL NEXT TO OVERHEAD PANEL LH


 IF CONTACT IS ALREADY USED, USE CONTACT WITH SAME POTENTIAL


 ALTERNATE P/N D-436-36


 OEM RELAY, P/N M300D4N, IS AN ACCEPTABLE ALTERNATE

 OEM RELAY SOCKET, P/N S300A1B3, IS AN ACCEPTABLE ALTERNATE

 IDENTIFY IAW MPP-120. INSTALL P/N LABEL ON F/N 18.

 OEM MODULE, P/N MBBN3495, IS AN ACCEPTABLE ALTERNATE

 CAP AND STOW WIRES WHEN THE 634.6802 IS NOT INSTALLED ON THE AIRCRAFT

 OEM SPLICE, P/N 001119 XXX 02 AMPHENOL AIR LB, IS AN ACCEPTABLE ALTERNATE. XXX IS SELECTED BASED ON THE AWG OF THE WIRES. CRIMP SPLICE MBBN 3408 BX IS AN ACCEPTABLE ALTERNATE. X IS SELECTED BASED ON THE AWG OF THE WIRES.

 TERMINATE THE WIRE TO THE GROUND USING A NSA936501TA2003 OR EQUIVALENT (ADJUSTED FOR THE PROPER AWG) DEPENDING ON THE GROUND TERMINATION STYLE.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
N/C	INITIAL RELEASE	06/16/2016	P. BRAVO
A	INCORPORATED ECN 05599	10/24/2016	P. BRAVO
B	INCORPORATED ECN 05612	11/23/2016	P. BRAVO
C	INCORPORATED ECN 05672 & 05846	08/22/2017	P. BRAVO
D	INCORPORATED ECN 05905	02/21/2018	P. BRAVO
E	INCORPORATED ECN 05964	04/26/2018	P. BRAVO
F	INCORPORATED ECN 05976	06/06/2018	P. BRAVO
G	INCORPORATED ECN 06100	10/09/2018	P. BRAVO
H	INCORPORATED ECN 06109	10/31/2018	P. BRAVO
J	INCORPORATED ECN 06142	12/27/2018	P. BRAVO
K	INCORPORATED ECN 06497	08/04/2020	J. GARDINER
L	INCORPORATED ECN 06803	09/21/2021	J. GARDINER
M	INCORPORATED ECN 06930	08/19/2022	D. SHEPHERD
N	INCORPORATED ECN 07005	09/30/2022	D. SHEPHERD
P	INCORPORATED ECN 07008	10/07/2022	D. SHEPHERD
Q	INCORPORATED ECN 07013	11/15/2022	D. SHEPHERD

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	2	1				1	1	2	31	601.1682	RELAY SOCKET	MIL-DTL-12883/41	<div>27</div>
	2	1				1	1	2	30	601.1627	RELAY	J-D4A-300M	MIL-PRF-83536 <div>26</div>
						1			29	601.4329	RELAY	M500-D4N	
3	3	2				2	2	3	28	601.4323	MODULE	175530102	<div>29</div>
3	3	2				2	2	3	27	601.4324	DIODE	F1200G	
3	3	2				2	2	3	26	601.4325	CONTACT	EN3155-016M1616	
2	2	2				2	2	2	25	601.4245	DIODE	001119 702 02	
				1					24	601.4141	SHRINK BOOT	222K142-25-0	
	REF	REF				REF	REF		23	M39029/56/36-352	CONNECTOR SOCKET CONTACT		
	REF	REF				REF	REF	REF	22	D-436-38	ENVIRONMENTAL SPLICE		MIL-S-81824/1 <div>31</div>
	REF	REF				REF	REF	REF	21	D-436-37	ENVIRONMENTAL SPLICE		MIL-S-81824/1 <div>31</div>
			1FT	1FT					20	601.3494	AMBERSTRAND	103-026-008	
			1						19	601.3486	SHRINK BOOT	222S121-25S-0	<div>17</div>
			1	1					18	601.3495	SHRINK BOOT	202S121-25S-0	<div>18</div>
1	1	1				1	1	1	17	601.4048	ARMING SWITCH ADAPTER	18-269	
			.2FT	.2FT					16	601.1429	SHRINK TUBING	MIL-DTL-23053/5-208-C	
			1.5FT	1.5FT					15	601.2714	SHRINK TUBING	MIL-DTL-23053/2-107-0	
			.42FT	.42FT					14	601.2713	SHRINK TUBING	ATUM-16/4-0-SP	
						1			13	601.4012	CONNECTOR	MS3110E8-4S	
						1			12	601.4011	CONNECTOR	D38999/26KD97PN	
			A/R	A/R	A/R				11	601.2045	RTV		LOCTITE 598
			1						10	601.4019	CONNECTOR	MS3116E8-4P	
			1	1					9	601.3399	CONNECTOR	MS3116E8-4S	
7	7	7				7	7	7	8	601.2425	CONNECTOR SOCKET CONTACT	MIL-C-29029/22-192	
	80FT	60FT	4FT	4FT	100FT	40FT	80FT		7	601.1298	WIRE	MIL-W-22759/16-20-9	<div>9</div>
	6FT	6FT			6FT	6FT	6FT		6	601.1512	SHRINK TUBING	MS23053/5-105-0	
6						3		3	5	601.2184	ENVIRONMENTAL SPLICE	M81824/1-1	<div>25</div> <div>31</div>
1	1	1				1	1	1	4	601.2151	ARMING SWITCH GUARD	17-193	
1	1	1				1	1	1	3	601.2133	ARMING SWITCH	LED-7A-14-KB-34450	
	3	2				2	2	3	2	601.1207	CIRCUIT BREAKER	EN2495-7A5M	
						1		1	1	634.6802	135-145 SWITCH ASSY	MS3320-71/2	
X										651.4108	OEM ELECTRICAL COMPONENTS		
	X									651.4107	H145 D3 AUTOMATIC FLOAT SYSTEM KIT		<div>11</div>
		X								651.4106	H145 D3 AUTOMATIC FLOAT SYSTEM KIT		<div>11</div>
			X							651.4105	EC145 T2 WIRING HARNESS		<div>13</div>
				X						651.4104	EC145 T2 WIRING HARNESS		<div>11</div>
					X					651.4103	EC145 T2 AUTOMATIC FLOAT SYSTEM KIT		<div>12</div>
							X			651.4102	EC145 T2 AUTOMATIC FLOAT SYSTEM KIT		<div>11</div>
								X		651.4101	EC145 T2 AUTOMATIC FLOAT SYSTEM KIT		<div>11</div>
4108	4107	4106	4105	4104	4103	4102	4101	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC	

DRAWN BY
D. MEJIA

CHECKER
P. BRAVO

DRAWING APPROVAL
P. BRAVO

CONTRACT No.
06-16-16

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON:
2 PLACE DECIMALS ± .03
3 PLACE DECIMALS ± .010
ANGLES ± .5

DART
AEROSPACE

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081-8347
(760)-724-5300

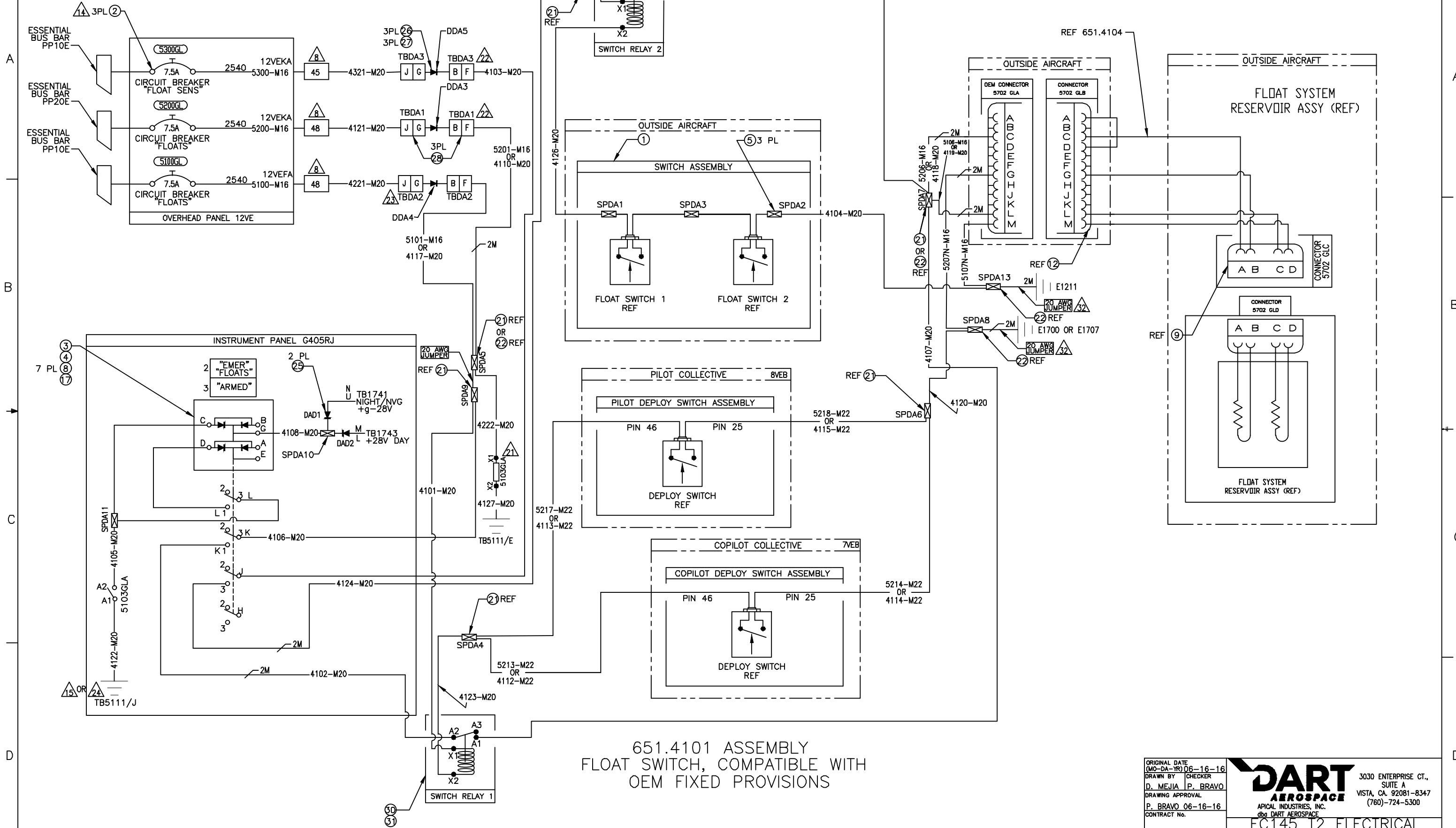
EC145 T2 ELECTRICAL
ACTIVATION SYSTEM

SIZE B CAGE CODE 07MZ6 DWG. No. 651.4100 REV Q

SCALE: NONE SHEET 2 of 10

PRINTED COPY OF THIS DOCUMENT IS FOR REFERENCE ONLY AND IS CONTROLLED

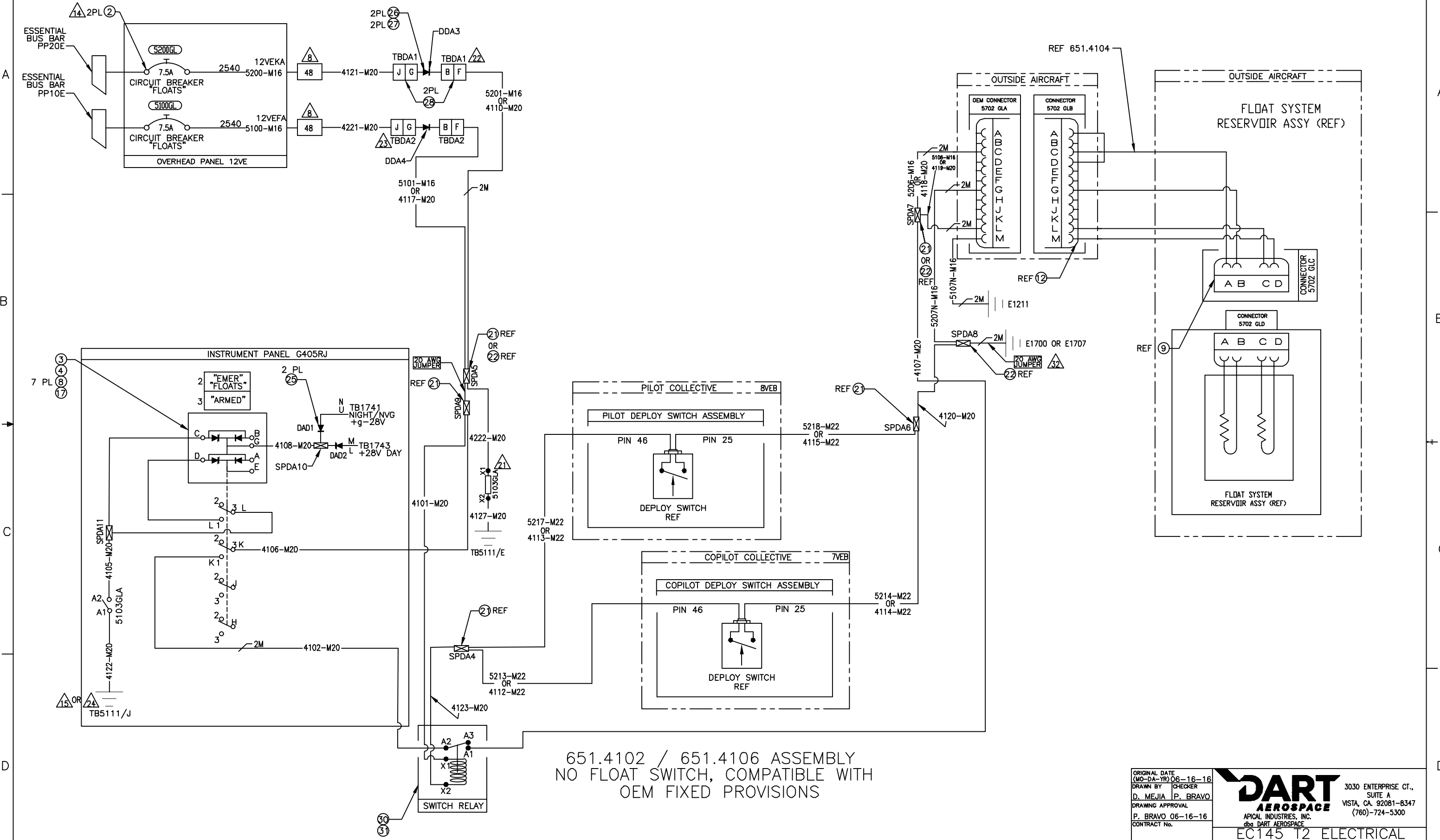
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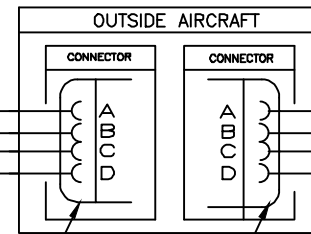
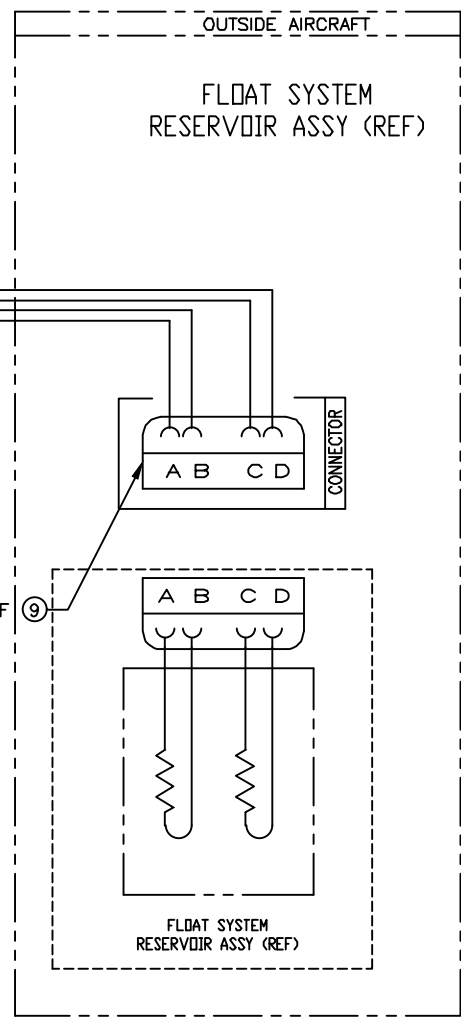
651.4101 ASSEMBLY
FLOAT SWITCH, COMPATIBLE WITH
OEM FIXED PROVISIONS


ORIGINAL DATE (MO-DA-YR) 06-16-16		DRAWN BY D. MEJIA		CHECKER P. BRAVO		DRAWING APPROVAL P. BRAVO 06-16-16		CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ± .03 2 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B		CAGE CODE 07M26		DWG. No. 651.4100		REV Q	
SCALE: NONE		SHEET 3 of 10		DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)-724-5300			

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DRAWN BY D. MEJIA		CHECKER P. BRAVO		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWING APPROVAL P. BRAVO 06-16-16		CONTRACT No.		EC145 T2 ELECTRICAL ACTIVATION SYSTEM	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°	SIZE B	CAGE CODE 07MZ6	DWG. No. 651.4100	REV Q	SHEET 4 of 10

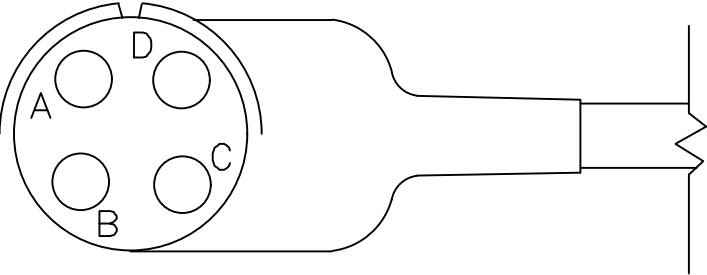
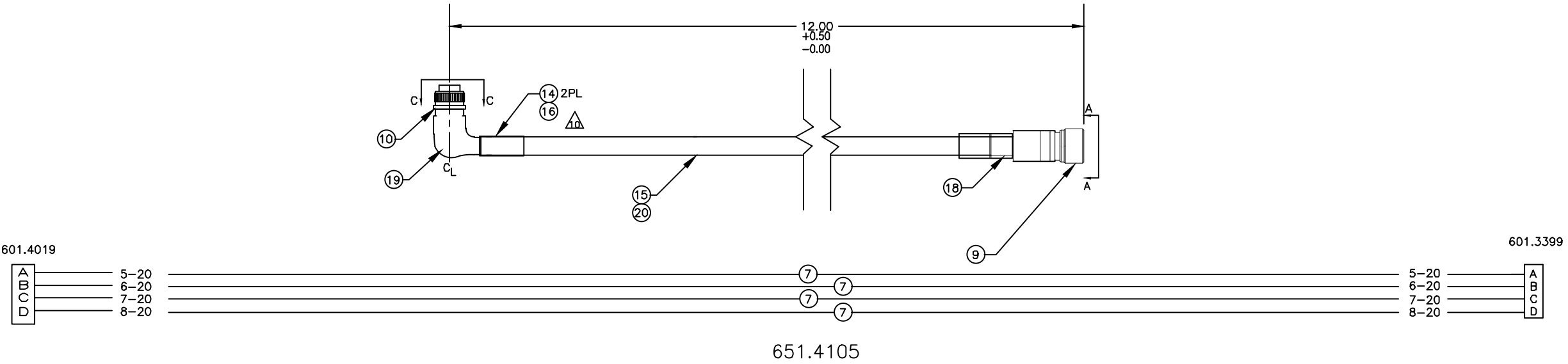
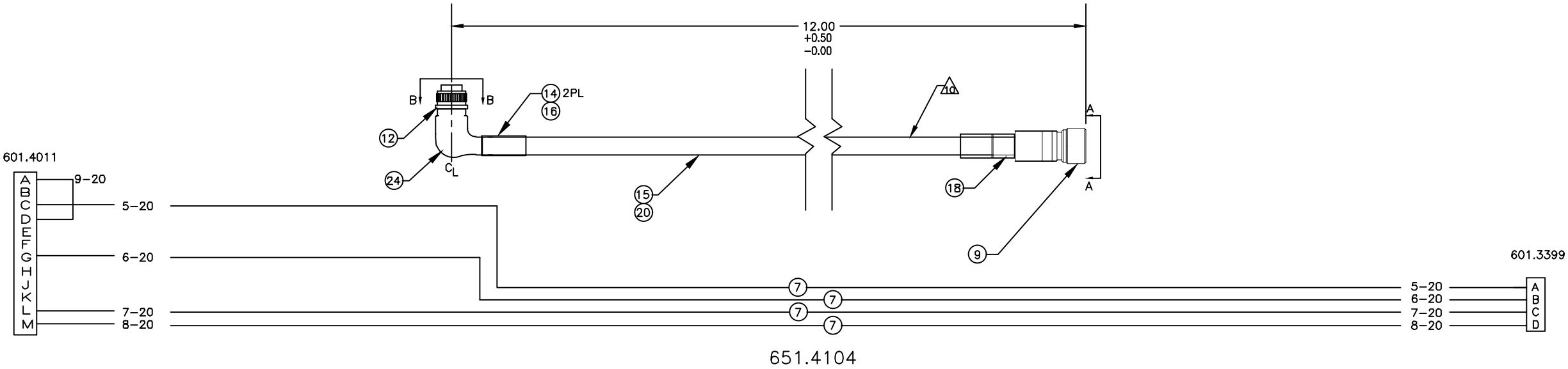


 DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE			3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)-724-5300
EC145 T2 ELECTRICAL ACTIVATION SYSTEM			
SIZE B	CAGE CODE 07M26	DWG. No. 651.4100	REVISION C
SCALE: NONE			SHEET 5 of 10

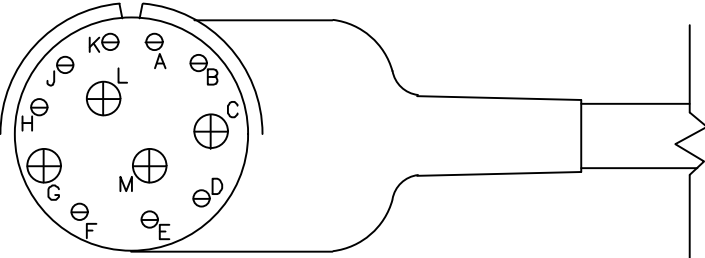
D



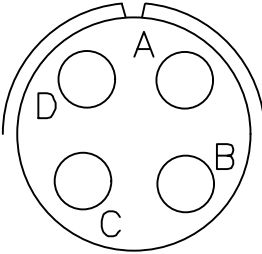
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SECTION C-C



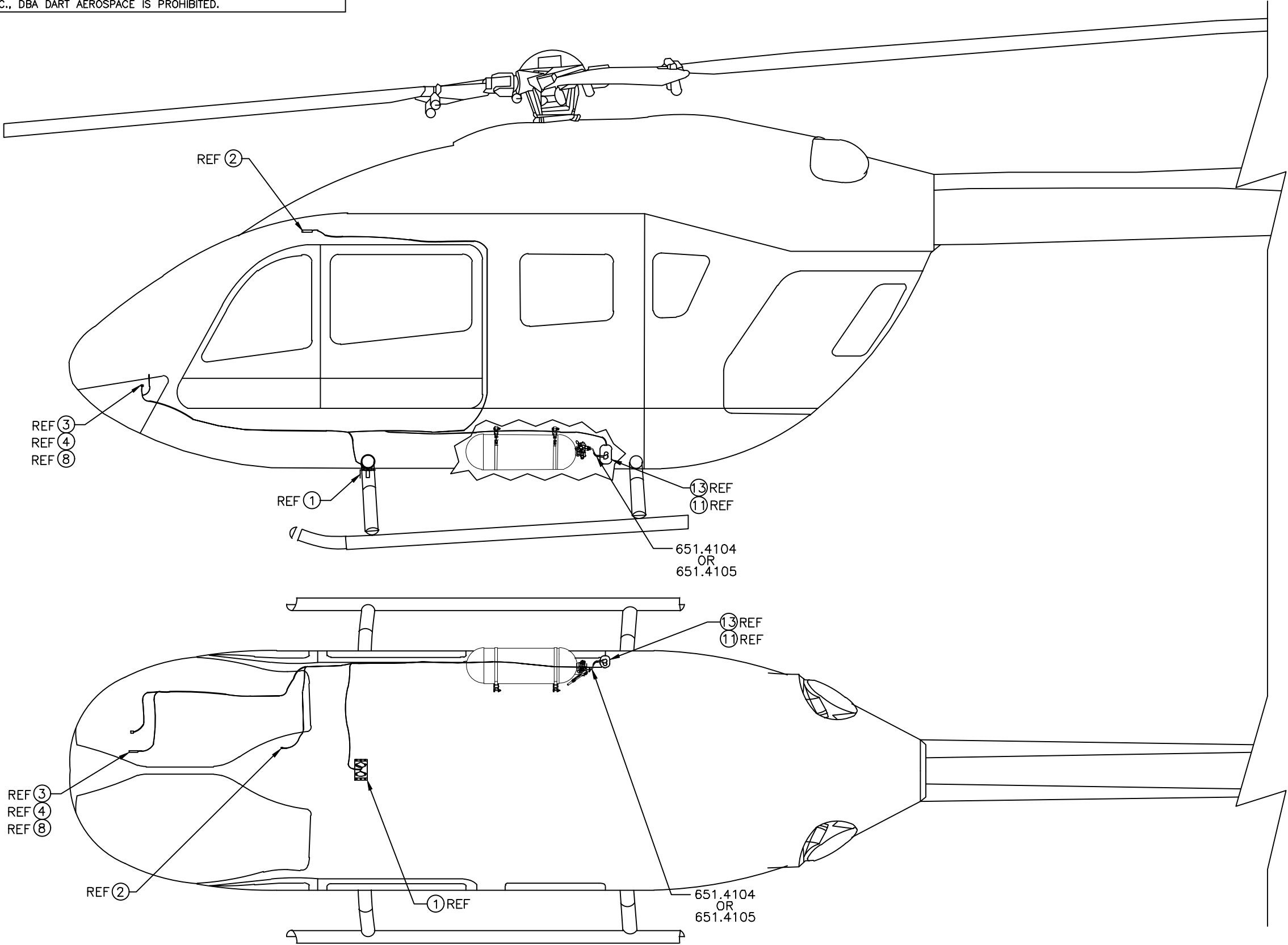
SECTION B-B



SECTION A-A

ORIGINAL DATE (MO-DA-YR) 06-16-16		DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)-724-5300	
DRAWN BY D. MEJIA	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 06-16-16		CONTRACT No.		EC145 T2 ELECTRICAL ACTIVATION SYSTEM	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. No. 651.4100	REV Q
SCALE: NONE			SHEET 7 of 10		

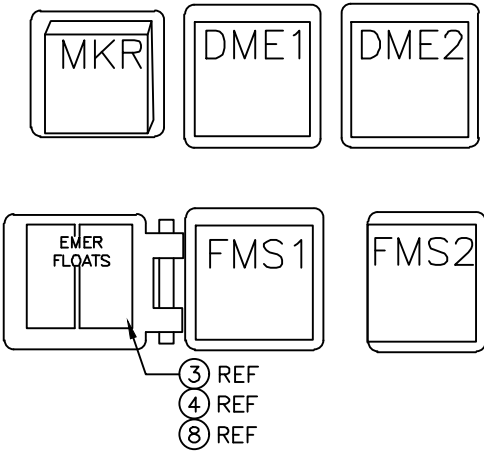
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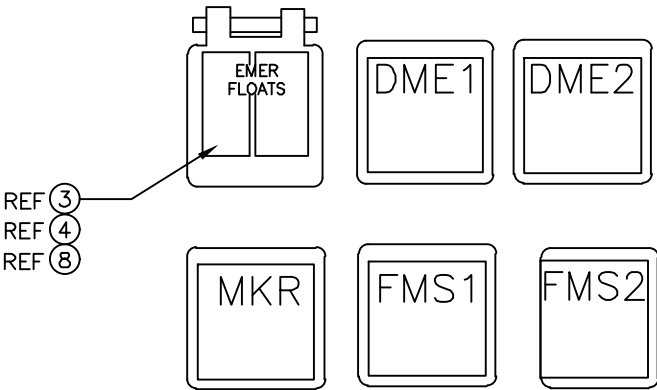
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SCALE: NONE		SHEET 8 of 10			


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INSTRUMENT PANEL

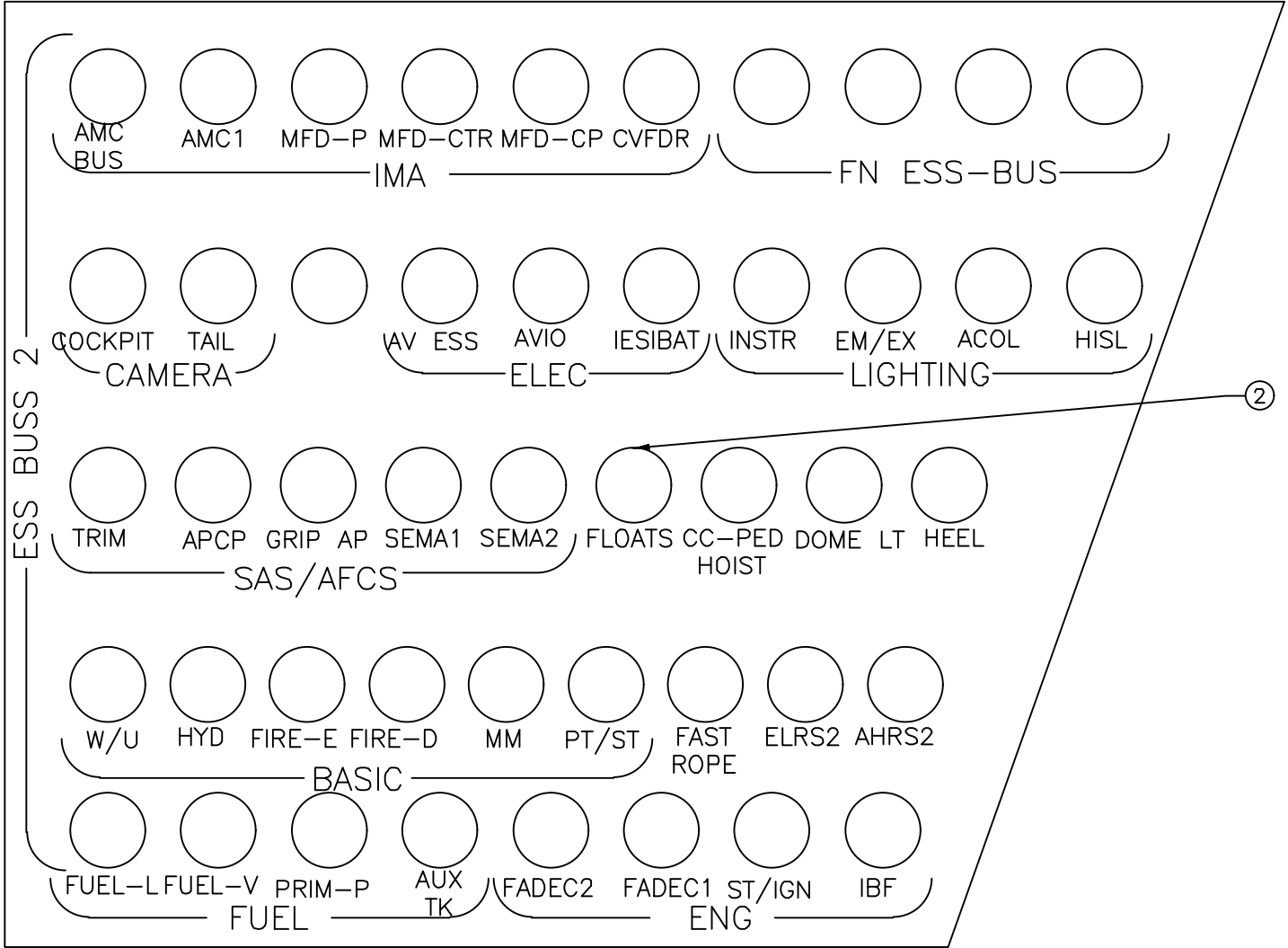
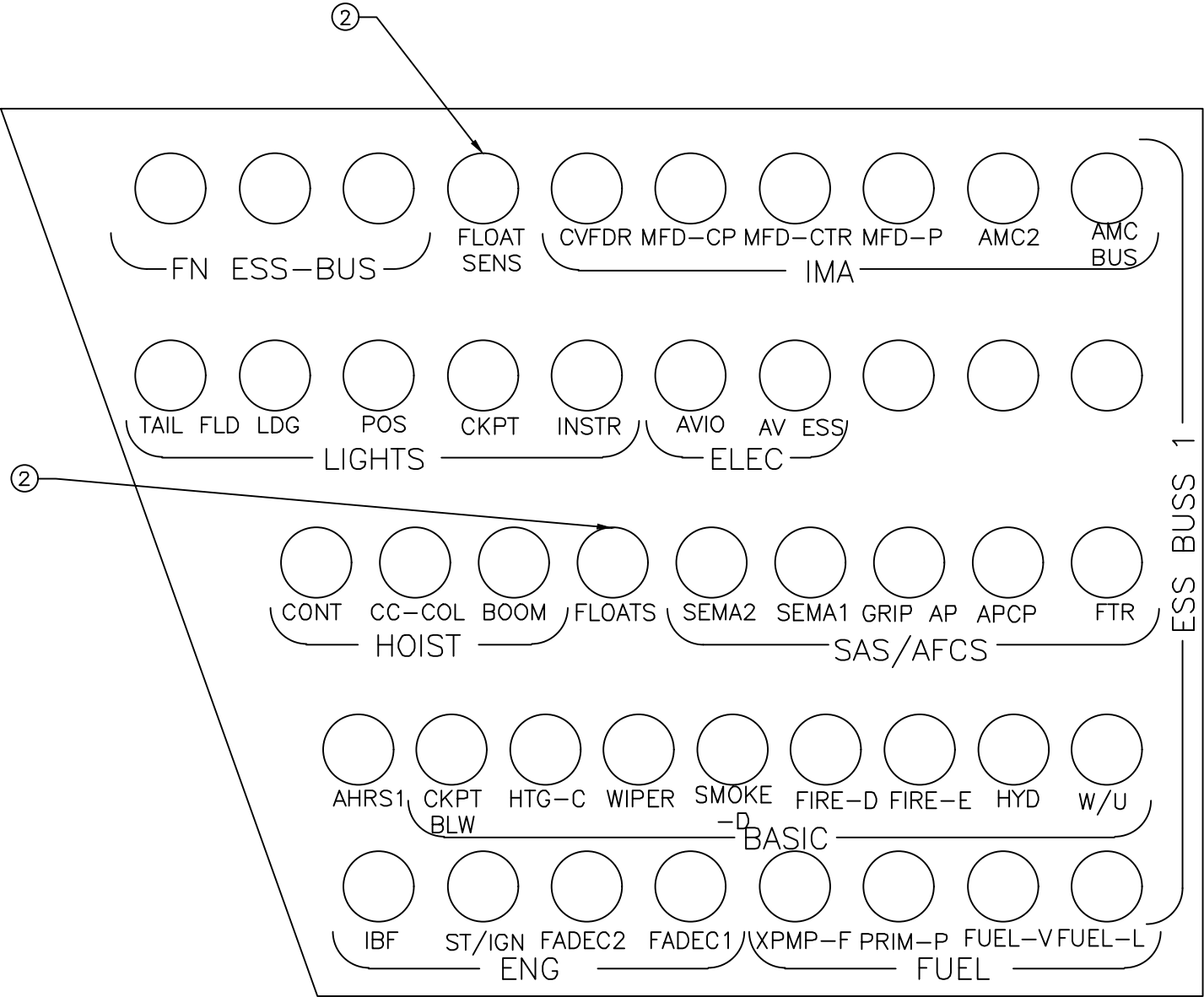



INSTRUMENT PANEL
(ALTERNATE POSITION)



ORIGINAL DATE (MO-DA-YR) 06-16-16		<div><div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081-8347 (760)-724-5300</div></div>			
DRAWN BY	CHECKER				
D. MEJIA	P. BRAVO				
DRAWING APPROVAL					
P. BRAVO 06-16-16		APICAL INDUSTRIES, INC. dba DART AEROSPACE			
CONTRACT No.		EC145 T2 ELECTRICAL ACTIVATION SYSTEM			
UNLESS OTHERWISE SPECIFIED		SIZE	CAGE CODE	DWG. No.	REV
DIMENSIONS ARE IN INCHES		B	07M26	651.4100	Q
TOLERANCES ON:					
2 PLACE DECIMALS ± .03					
3 PLACE DECIMALS ± .010					
ANGLES ± .5°					
		SCALE: NONE		SHEET 9 of 10	

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SIZE B	CAGE CODE 07MZ6	DWG. No. 651.4100	REV Q
SCALE: NONE		SHEET 10 of 10	